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SOURCE

Astronomicheskii Zhurnal, No 1, 1950.INTENSIFICATION OF EMISSION LINES OF THE NIGHT SKYM. G. Karimov
Mountain Astrophysical Observatory
Alma-Ata

The author recently discovered an intensification of emission lines of the night sky in the region of the axis of zodiacal light in comparison with points of the same almucantar. He also conducted observations on the gegenschein using absolute spectroscopy with nebular spectrographs of candlepower 1:1 and 1:0.8. A number of gegenschein spectra were obtained which were situated symmetrically at a distance of 20 degrees in comparison with spectra obtained at the same time for points of the night sky. The gegenschein spectra did not differ markedly from the usual spectrum of the night sky. Inasmuch as the usual spectrum of the night sky is made up mainly of emission lines, while the continuous spectrum is very weak, the conclusion follows that the gegenschein must be of a gaseous nature.

[No further information available]

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